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Redox-active nucleic-acid replica for the amplified bioelectrocatalytic **detection** of **viral DNA**
F Patolsky, Y Weizmann, I Willner - J. Am. Chem. Soc, 2002 - ACS Publications
A new concept for the amplified electrochemical **detection** of the 7229-base **viral DNA** of M13φ is developed. A thiolated 27-base nucleic acid (1) is assembled on an Au-electrode. Hybridization between the sensing interface and the M13φ DNA is followed by the polymerase-induced **...**
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Evaluation of the COBAS AMPLICOR CMV MONITOR test for **detection** of **viral DNA** in specimens taken from patients after liver transplantation — nih.gov [HTML]
IS Sia, JA Wilson, MJ Espy, CV Paya ... - Journal of clinical ..., 2000 - Am Soc Microbiol
Detection of cytomegalovirus (CMV) DNA in blood by PCR is a sensitive method for the **detection** of infection in patients posttransplantation. The test, however, has low specificity for the identification of overt CMV **disease**. Quantitative CMV PCR has been shown to overcome this **...**
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DNA-based **detection** of prostate cancer in blood, urine, and ejaculates
C GOESSL, M MÜLLER, R ... - Annals of the New ..., 2001 - interscience.wiley.com
... P1 gene (GSTP1), as the most frequent DNA alteration in prostatic carcinoma, was used for the molecular **detection** of cell **...** Using a **viral DNA** extraction kit specifically recommended for DNA isolation from urine samples, GSTP1 promoter hyper- methylation in urine sediments **...**
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Quantitation of **viral DNA** by real-time PCR applying duplex amplification, internal standardization, and two-color fluorescence **detection** — nih.gov [HTML]
F Gruber, FG Falkner, F Dorner, T ... - Applied and ..., 2001 - Am Soc Microbiol
Real-time PCR allows the monitoring of the generation of PCR products simultaneous with the amplification process; for example, by measuring the increase of fluorescence in the reaction vial caused by the cleavage of an appropriately labeled probe by the DNA polymerase **...**
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[HTML] Detection of multiple **viral DNA** species in synovial tissue and fluid of patients with early arthritis — bmj.com [HTML]
HD Stahl, B Hubner, B Seidl, UG Liebert, IM ... - Annals of the ..., 2000 - ard.bmj.com
RESULTS Cytomegalovirus was present in 25 patients, parvovirus B19 in 15 patients, Epstein-Barr virus in 12 patients, and herpes simplex virus in 16 patients (in ST, SF, or both), respectively. The joint samples were negative for **viral DNA** from adenovirus and varicella- **...**
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Electrical **detection** of **viral DNA** using ultramicroelectrode arrays
E Nebling, T Grunwald, J Albers, P Schäfer, R ... - Anal. Chem, 2004 - ACS Publications
A fully electrical array for voltammetric **detection** of redox molecules produced by enzyme-labeled affinity binding complexes is shown. The electronic **detection** is based on ultramicroelectrode arrays manufactured in silicon technology. The 200-μm circular array positions have **...**
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Parvovirus B19 infection in pregnancy: quantitative **viral DNA** analysis using a kinetic fluorescence **detection** system (TaqMan PCR)
A Knott, F Louwen, B Kochanowski, A ... - Journal of medical ..., 2002 - interscience.wiley.com
Human parvovirus B19 infections are common in the general population, and infection during pregnancy may cause hydrops fetalis and fetal death. To initiate adequate treatment, accurate laboratory diagnosis is essential. The most sen- sitive tests are nested PCR systems, but **...**
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Magnetically amplified DNA assays (MADA): Sensing of **viral DNA** and single-base mismatches by using nucleic acid modified magnetic particles
F Patolsky, Y Weizmann, E Katz, I ... - Angewandte Chemie ..., 2003 - interscience.wiley.com
... Conditions for Thermal Cycles: a)For single-point-mutation **detection**: denaturation 30 s, 948C; annealing 30 s, 558C; polymer- ization 5 s, 728C; b) For **Viral-DNA detection**: denaturation 30 s, 948C; annealing 30 s, 558C; polymerization 15 s, 728C. **...**
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Detection of human neurotropic JC virus DNA sequence and expression of the viral oncogenic protein in pediatric medulloblastomas — pnas.org [HTML] Full View
B Krynska, L Del Valle, S Croul, J ... - Proceedings of the ..., 1999 - National Acad Sciences
... Detection of human neurotropic JC virus DNA sequence and expression of the viral oncogenic protein in pediatric medulloblastomas **...** of the viral early protein, T antigen, is essential for the subsequent events of the virus lytic cycle, which include **viral DNA** replication and viral **...**
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Testing for polyomavirus type BK DNA in plasma to identify renal-allograft recipients with viral nephropathy

V Nickeleit, T Klimkait, IF Binet, P Dalquen ... - ... England Journal of ... , 2000 - content.nejm.org
... Viral DNA was **not** detected in any of the samples. **...** (The **results for** Patients 4 and 9 are shown in Figure 3.) In the other three patients (Patients 2, 3, and 8), **detection** of BK virus DNA in the plasma preceded the histologic diagnosis by 16 to 33 weeks. **...**
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